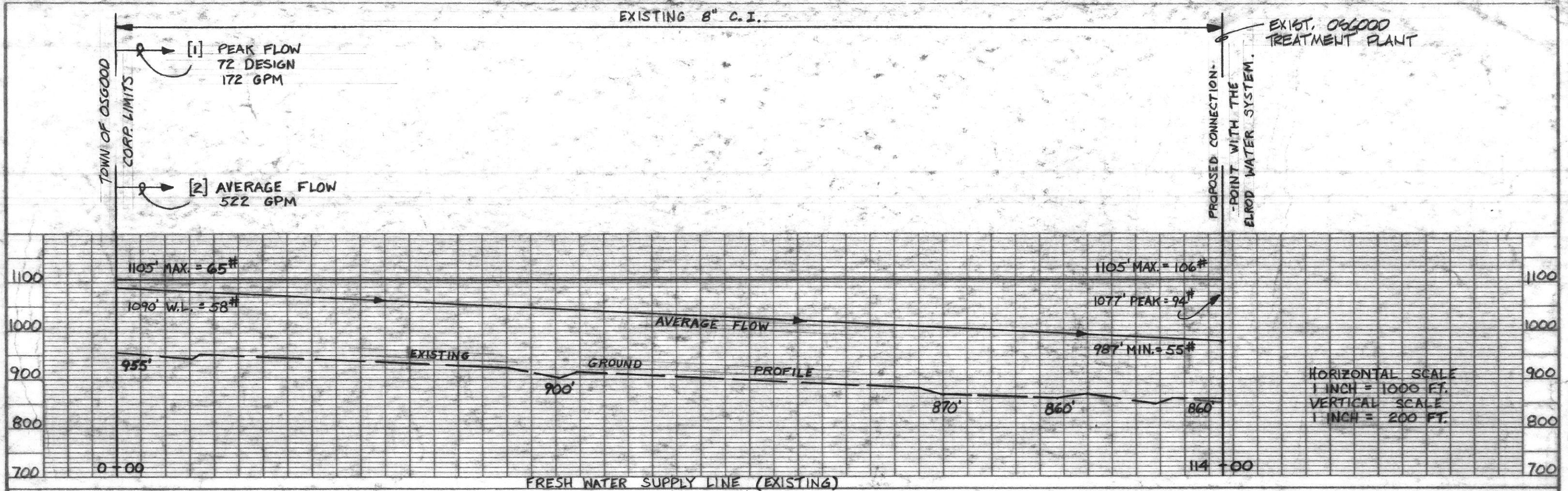




[1] PEAK FLOW INCLUDES

- 20 DESIGN FROM OSGOOD CORP. LIMITS TO CONNECTION POINT W/ELROD WATER SYSTEM
- 52 DESIGN FROM CONNECTION POINT TO BOOSTER STATION

72 DESIGN = 172 GPM THRU 8" C.I. = 1.146' LOSS/1000'
 $11.4 \times 1.146 = 13.06'$ LOSS, $1090.0' - 13.06' = 1076.94'$. $1076.94' - 860.0' = 94'$ @ CONNECTION POINT

[2] TOTAL AVERAGE FLOW

ELROD BOOSTER STATION 500 GPM + .3 GPM x 72 DESIGN
 (20 DESIGN/OSGOOD CORP. LIMITS TO CONNECTION POINT
 + 52 DESIGN TO BOOSTER STATION) = 22 GPM = 522 GPM
 8" C.I. @ 500 GPM = 8.98' LOSS/1000' x 11.4 = 102.37' LOSS
 @ 3.33 FPS VELOCITY, $1090.0' - 102.37' = 987.63'$